Outline of Thesis

The entire research work carried out was outlined in the following manner:

**Part I: Development of Fixed Dose Combination (FDC) of Anti-hypertensives**

Part IA: Development of Extended release formulation of Metoprolol succinate

Part IB: Development of Extended release bilayer tablets of Metoprolol succinate and Felodipine

**Part II: Development of Coprocessed excipient for Controlled release/Extended release application**

**Part III: Development of Fixed dose combination of Anti–TB drugs using Hot melt extrusion technology**

Part IIIA: Formulation approaches for delivery of Rifampicin and Isoniazid

- **Approach I:** Delivery of Rifampicin to stomach and Isoniazid to intestine
- **Approach II:** Delivery of Isoniazid to stomach and Rifampicin to intestine
- **Approach III:** Enteric delivery of Rifampicin and Isoniazid

Part IIIB: Development of Extended release formulation of Rifampicin

Part IIIC: Development of Extended release formulation of Isoniazid